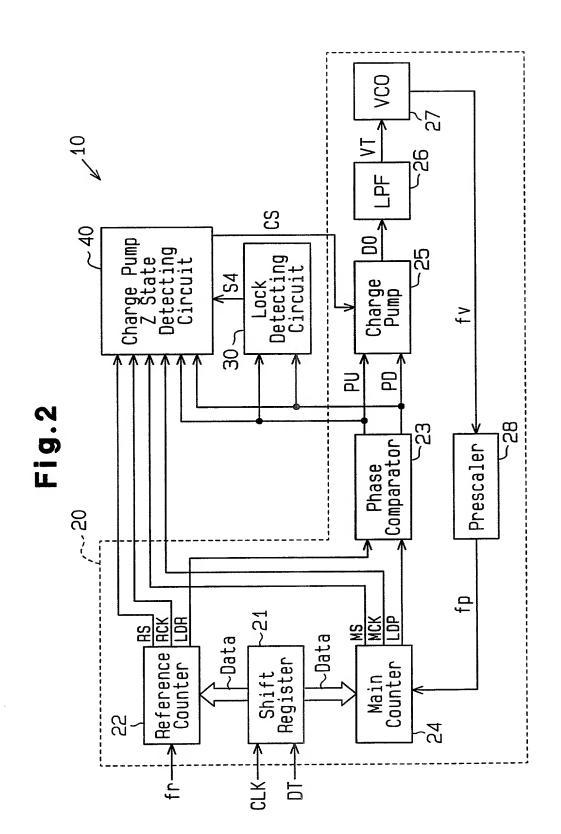
000 80 8 上出 ~83 82 Charge Pump š Fig.1 (Prior Art ۲ إ В Phase Comparator Prescaler 84 88 fр ~81 EB  $\sim$ Data ∼Data Reference Counter Shift Register 82 Main Counter 83/ CLK -

87



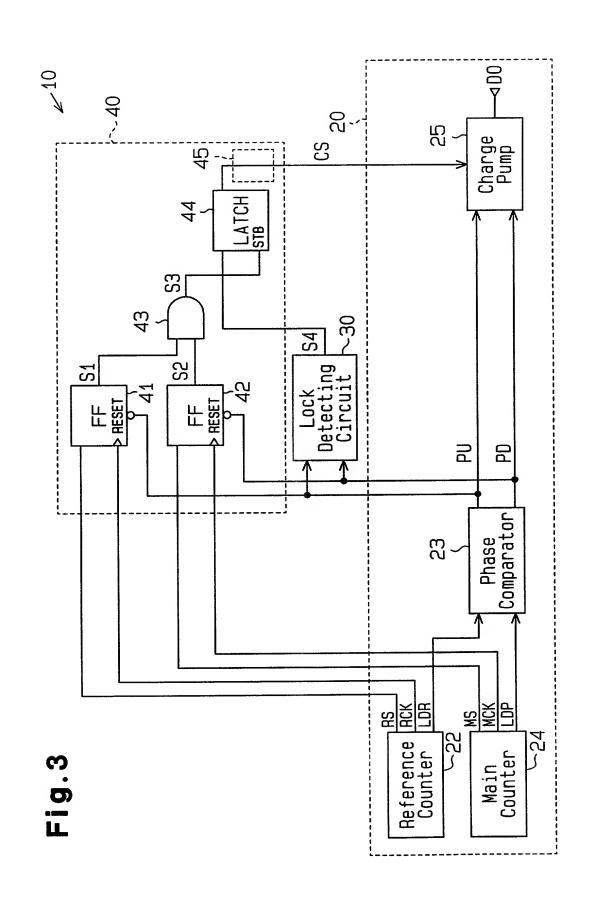
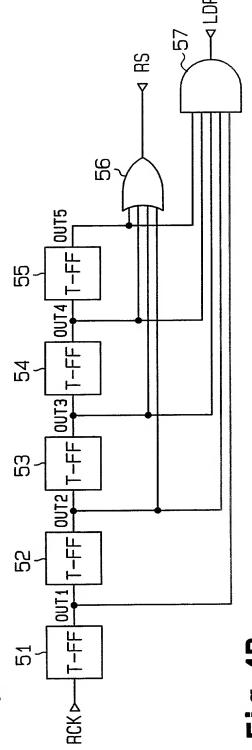


Fig.4A





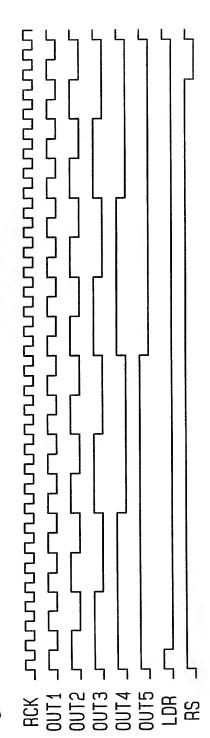


Fig.5

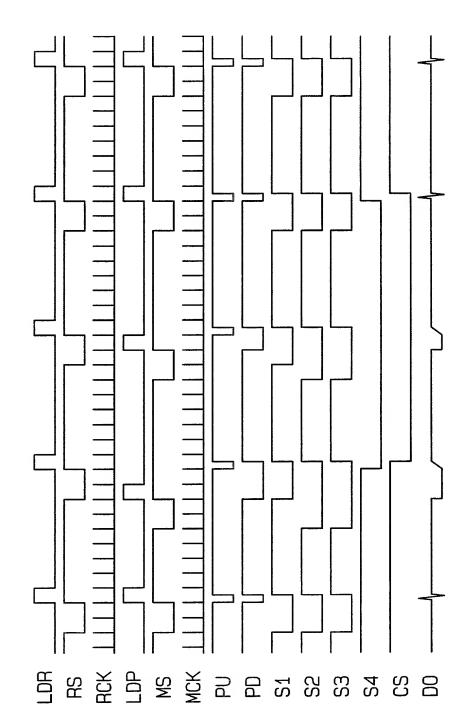
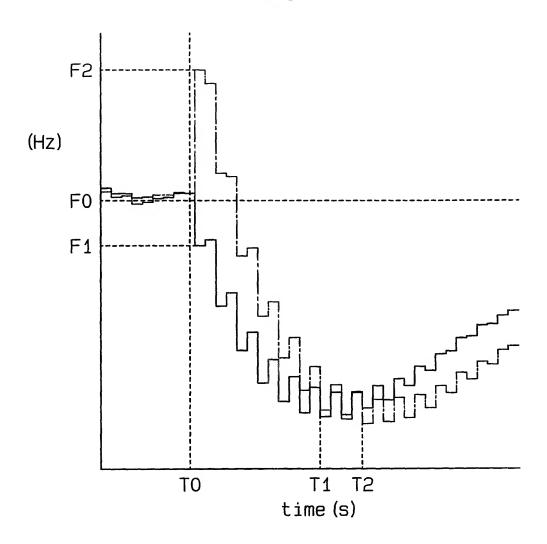


Fig.6



Solid-line Curve : Locked Waveform According to Present Embodiment

Dot-and-dash-line Curve : Locked Waveform in Conventional Circuit

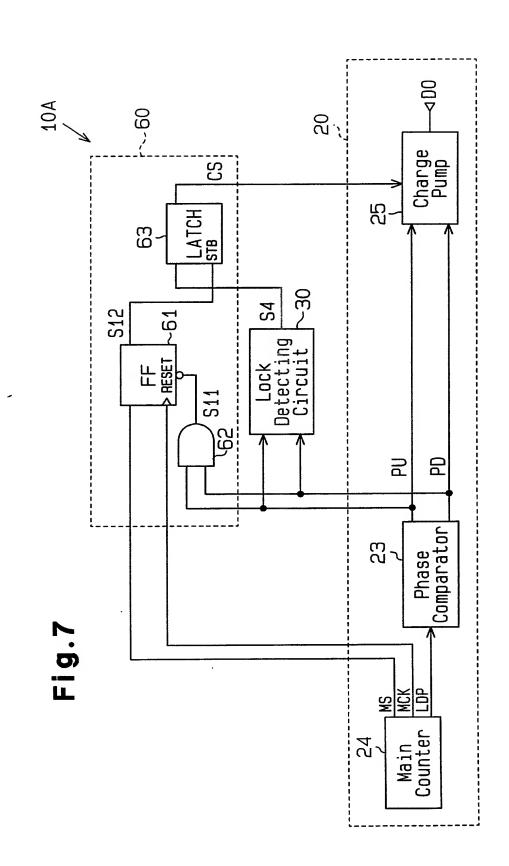
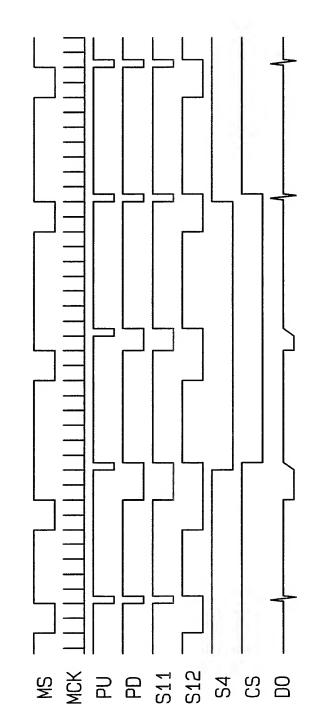


Fig. 8



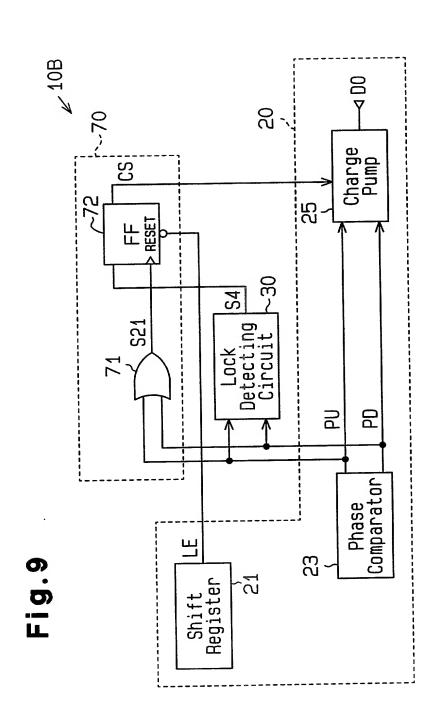


Fig. 10

